

DERWENT-ACC-NO: 1999-480246

DERWENT-WEEK: 200271

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TITLE: Fabric for protective garments

INVENTOR: BURG, R; GEHRHARDT, M ; GOERMER, M ; SMEULDERS, B

PATENT-ASSIGNEE: BOCO GMBH & CO[BOCON] , ARAMEX-GARNE
GMBH[ARAMN], IBENA

TEXTILWERKE BECKMANN GMBH & CO[IBENN], BURG R[BURGI],
GEHRHARDT

M[GEHRI], GOERMER M[GOERI], SMEULDERS B[SMEUI],

PRIORITY-DATA: 1998DE-2005867 (March 31, 1998)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
DE 29805867 U1		August 26, 1999	N/A
006	A41D 013/00		
WO 9950491 A2		October 7, 1999	G
000	D03D 000/00		
EP 986660 A2		March 22, 2000	G
000	D03D 001/00		
US 6296023 B1		October 2, 2001	N/A
000	D03D 015/00		
EP 986660 B1		August 14, 2002	G
000	D03D 001/00		
DE 59902327 G		September 19, 2002	N/A
000	D03D 001/00		

DESIGNATED-STATES: CA PL US AT BE CH CY DE DK ES FI FR GB
GR IE IT LU MC NL PT
SE AT BE CH DE DK FR GB IT LI NL SE AT BE CH DE DK FR GB IT
LI NL SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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APPL-DATE

DE 29805867U1	N/A	1998DE-
2005867	March 31, 1998	
WO 9950491A2	N/A	1999WO-
EP02169	March 30, 1999	
EP 986660A2	N/A	1999EP-
0917914	March 30, 1999	
EP 986660A2	N/A	1999WO-
EP02169	March 30, 1999	
EP 986660A2	Based on	WO 9950491
N/A		
US 6296023B1	N/A	1999WO-
EP02169	March 30, 1999	
US 6296023B1	N/A	2000US-
0424366	February 17, 2000	
US 6296023B1	Based on	WO 9950491
N/A		
EP 986660B1	N/A	1999EP-
0917914	March 30, 1999	
EP 986660B1	N/A	1999WO-
EP02169	March 30, 1999	
EP 986660B1	Based on	WO 9950491
N/A		
DE 59902327G	N/A	1999DE-
0502327	March 30, 1999	
DE 59902327G	N/A	1999EP-
0917914	March 30, 1999	
DE 59902327G	N/A	1999WO-
EP02169	March 30, 1999	
DE 59902327G	Based on	EP 986660
N/A		
DE 59902327G	Based on	WO 9950491
N/A		

INT-CL (IPC): A41D013/00, A41D031/00 , A62B017/00 ,
D03D000/00 ,
D03D001/00 , D03D015/00

ABSTRACTED-PUB-NO: DE 29805867U

BASIC-ABSTRACT:

NOVELTY - The mass-produced garment sections, for protective clothing, are of a woven fabric in a cross twill weave 3/1, using 36% warps/cm and 28% wefts/cm. The composition of the warps and wefts is 41% viscose, 30-41% metaaramide, 17-29% paramide and 1% polyamide with a carbon core. The yarns are in a double twist, with a count number of 40/2.

DETAILED DESCRIPTION - The double twist 40/2 yarn has one thread in a yarn count of 50/1 composed of 65% viscose, 24% metaaramide, 30% paramide and 2% polyamide with a carbon core. The other thread, with a yarn count of 30/1, is composed of 65% viscose, 24% metaaramide, 11% paramide and 0.7% polyamide with a carbon core. They are twisted together to give a yarn composed of 40% viscose FR, 40% metaaramide, 18% paramide and 1.2% polyamide with a carbon core. Or the double twist 40/2 yarn can have one thread of 100% paramide and the second thread is composed of 65% viscose, 24% metaaramide, 11% paramide and 0.7% polyamide with a carbon core, to give a yarn composed of 41% viscose, 44% paramide, 15% metaaramide and 0.5% polyamide with a carbon core.

USE - The clothing is for protection against heat, flames, electric arc effects, and the like.

ADVANTAGE - The fabric gives the wearer a high protection against attack by flame, heat and sharp edges, and is comfortable to wear. It can be washed repeatedly without loss of its characteristics.

ABSTRACTED-PUB-NO: EP 986660B

EQUIVALENT-ABSTRACTS:

NOVELTY - The mass-produced garment sections, for protective clothing, are of a woven fabric in a cross twill weave 3/1, using 36% warps/cm and 28% wefts/cm.

The composition of the warps and wefts is 41% viscose, 30-41% metaaramide, 17-29% paramide and 1% polyamide with a carbon core. The yarns are in a double twist, with a count number of 40/2.

DETAILED DESCRIPTION - The double twist 40/2 yarn has one thread in a yarn count of 50/1 composed of 65% viscose, 24% metaaramide, 30% paramide and 2% polyamide with a carbon core. The other thread, with a yarn count of 30/1, is composed of 65% viscose, 24% metaaramide, 11% paramide and 0.7% polyamide with a carbon core. They are twisted together to give a yarn composed of 40% viscose FR, 40% metaaramide, 18% paramide and 1.2% polyamide with a carbon core. Or the double twist 40/2 yarn can have one thread of 100% paramide and the second thread is composed of 65% viscose, 24% metaaramide, 11% paramide and 0.7% polyamide with a carbon core, to give a yarn composed of 41% viscose, 44% paramide, 15% metaaramide and 0.5% polyamide with a carbon core.

USE - The clothing is for protection against heat, flames, electric arc effects, and the like.

ADVANTAGE - The fabric gives the wearer a high protection against attack by flame, heat and sharp edges, and is comfortable to wear. It can be washed repeatedly without loss of its characteristics.

US 6296023B

NOVELTY - The mass-produced garment sections, for protective clothing, are of a woven fabric in a cross twill weave 3/1, using 36% warps/cm and 28% wefts/cm. The composition of the warps and wefts is 41% viscose, 30-41% metaaramide, 17-29% paramide and 1% polyamide with a carbon core. The yarns are in a double twist, with a count number of 40/2.

DETAILED DESCRIPTION - The double twist 40/2 yarn has one thread in a yarn count of 50/1 composed of 65% viscose, 24% metaaramide, 30% paramide and 2% polyamide with a carbon core. The other thread, with a yarn count of 30/1, is composed of 65% viscose, 24% metaaramide, 11% paramide and 0.7% polyamide with a carbon core. They are twisted together to give a yarn composed of 40% viscose FR, 40% metaaramide, 18% paramide and 1.2% polyamide with a carbon core. Or the double twist 40/2 yarn can have one thread of 100% paramide and the second thread is composed of 65% viscose, 24% metaaramide, 11% paramide and 0.7% polyamide with a carbon core, to give a yarn composed of 41% viscose, 44% paramide, 15% metaaramide and 0.5% polyamide with a carbon core.

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ADVANTAGE - The fabric gives the wearer a high protection against attack by flame, heat and sharp edges, and is comfortable to wear. It can be washed repeatedly without loss of its characteristics.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: FABRIC PROTECT GARMENT

DERWENT-CLASS: A11 A23 A83 F03 F07 P21 P35

CPI-CODES: A03-A05; A05-F01E1; A05-F05; A12-C02; F02-A03A;
F04-C06;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1669U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; R24076 R24077 R01852 G3634 G3623 D01 D03 D11 D10
D23 D22 D31

D42 D50 D76 D86 F24 F29 F26 F34 H0293 P0599 ; S9999
S1194 S1161

S1070

Polymer Index [1.2]

018 ; P0737*R P0635 H0293 F70 D01 D18 ; S9999 S1194
S1161 S1070

Polymer Index [1.3]

018 ; P0748 P0737 P0635 H0293 F70 D01 D18 D19 D32 D50
D93 E20 E00

; S9999 S1194 S1161 S1070

Polymer Index [1.4]

018 ; P0759 P0737 P0635 H0293 F70 D01 D19 D18 D32 D50
D93 E21 E00

; S9999 S1194 S1161 S1070

Polymer Index [1.5]

018 ; P0635*R F70 D01 ; S9999 S1194 S1161 S1070 ; S9999
S1138 S1116

S1105 S1070

Polymer Index [1.6]

018 ; ND01 ; Q9999 Q7090 Q7056 ; B9999 B4682 B4568 ;
B9999 B4239

; K9905 ; K9927

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1999-141463

Non-CPI Secondary Accession Numbers: N1999-357591